Public Hearing July 31, 2013

Long Canyon Coal Lease by Application UTU-88953

- Environmental Assessment
- Fair Market Value
- Maximum Economic Recovery

Long Canyon Coal Lease Tract

- Officials at this Meeting
 - BLM Utah State Office
 - Roger Bankert Hearing Official
 - Stan Perkes Mining Engineer
 - Jeff McKenzie Mining Engineer
 - BLM Price Field Office
 - Trish Clabaugh Field Office Manager
 - Steve Rigby Asst. Field Office Manager
 - Chris Conrad Price Coal Geologist



Long Canyon Coal Lease Tract

- This hearing announced for two weeks per 43 CFR 3422 and 3425
 - Emery County Progress
 - Sun Advocate
- Published in the Federal Register July 9, 2013



Long Canyon Coal Lease Tract Hearing

Agenda

- Stan Perkes Introduction, Authorities and Boundaries
- Chris Conrad Geology, In-Place Reserves
- Chris Conrad Environmental/NEPA
- Jeff McKenzie Mining, Reclamation and Fair Market Value (FMV), and Maximum Economic Recovery (MER)
- Public Comment Period



Public Hearing Long Canyon Coal Tract July 31, 2013 Hearing 7:00-8:00 p.m. Procedures

- Please sign the register
- If you would like to speak fill out speaker card(s)
- Court recorder will be present Please speak slowly
- One topic per speaker card
- Submit all comments in writing even if you speak
- •Speakers will have a maximum of 3 minutes per topic
- Speakers will be called up to provide comments on topic
- Questions will NOT be answered as part of the presentation
- Questions WILL be answered before/following the presentation
- Please be courteous to other speakers



Authorities

Mineral Leasing Act of 1920 as amended

- To Promote the mining of coal, ... on the public lands.
- No bid shall be accepted which is less than the fair market value, Prior to the
 determination of the Secretary, ..., the Secretary shall give opportunity for and consideration
 to public comments on the fair market value.
- Prior to issuance of any coal lease the Secretary shall consider the effects of mining...
 including impacts on the environment. Public hearings in the area shall be held by the
 Secretary prior to the lease sale.

Federal Lands Management and Policy Act

- The public lands be managed In a manner which recognizes the nation's need for domestic sources of minerals, food, timber, and fiber from the public lands including implementation of the Mining and Minerals Policy Act of 1970 as it pertains to the public lands
- The public lands be managed in a manner that will protect the quality of scientific, scenic, historical, ecological, environmental, air, and atmospheric, water resource, and archeological values...

Mining and Minerals Policy of 1970

It is the continuing policy of the Federal Government to foster and encourage private
enterprise in the development of a stable domestic minerals industry and the orderly and
economic development of domestic mineral resources. This act includes all minerals, including
sand and gravel, geothermal, coal, and oil and gas.



Long Canyon Coal Lease Tract

- Hearing Conducted -- 43 CFR 3425.4
- "Prior to holding a coal lease sale in response to an application, a public hearing shall be held on the environmental assessment or statement, the proposed sale and the fair market value and maximum economic recovery on the proposed lease tract."

Long Canyon Coal Lease Tract Fair Market Value

- BLM is seeking comments on any part of the Fair Market Value
- Fair Market Value
 - Costs, Coal quality information, restrictions that affects coal recovery, method of mining, price of the sold coal, comparable sales
 - Comment period closes 30 days from the date of this meeting
 - Send Comments to the Utah State Office



Long Canyon Coal Lease Tract Environmental Analysis

- BLM is seeking comments on the Environmental Assessment for the Long Canyon Coal Tract
 - Comment period closes August 9, 2013
 - Send Comments to the Price Field Office
 - All substantive comment will be addressed as part of the EA

Comments on FMV or EA

- Written
- Substantial
- Timely
- Cite sources if necessary
- FMV Comments can be held confidential if requested

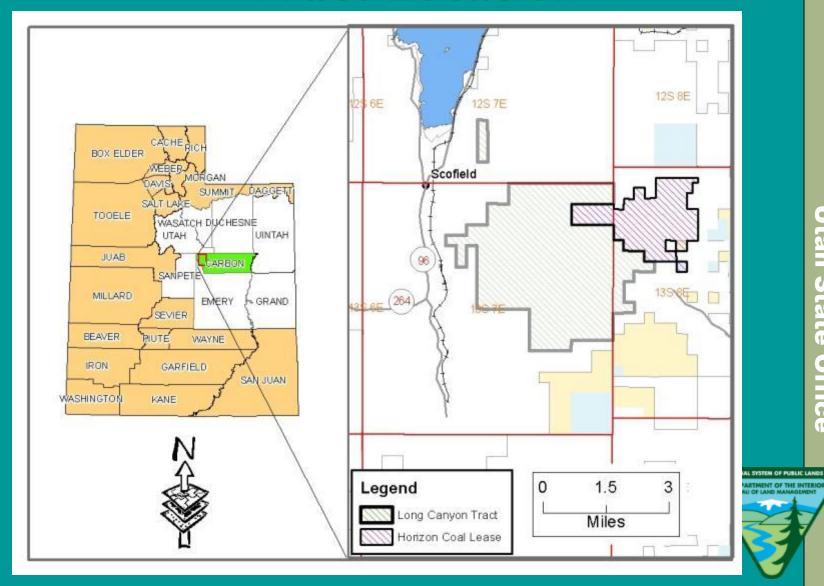


Long Canyon Lease Application and Final Boundaries

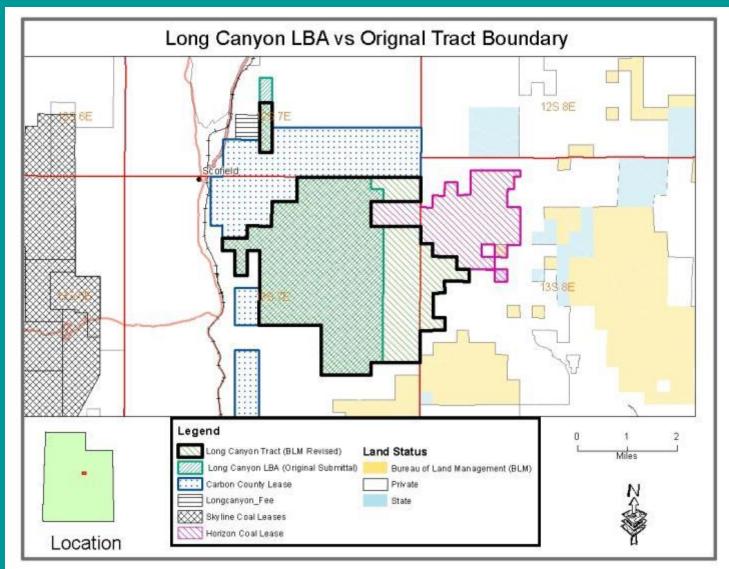
- Application UTU-88953
- Filed on February 17, 2012
- Located in USGS Wasatch Plateau "Known Recoverable Coal Resource Area"
- Application 5,586.90 acres Final BLM 7,677.17 acres
- Coal administered by BLM
- Surface is Private (Fee)

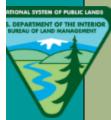


Long Canyon Federal Coal Lease **Tract Location**



Map of Original Application Area and and Final Tracts





Long Canyon Coal Lease Tract

- Tracts boundaries were enlarged
 - Maximize coal mining potential
 - Ensure that Maximum Economic Recovery would be achieved
 - One time processing
- Underground Coal

Geology of the Long Canyon Coal Tract

Chris Conrad



Stratigraphy

- Cretaceous Period
- Black Hawk Formation
- Minable Coal Seams-Hiawatha
- and UP

Geologic Cross-section for the Ferron Vicinity

HUNTINGTON - FERRON - EMERY

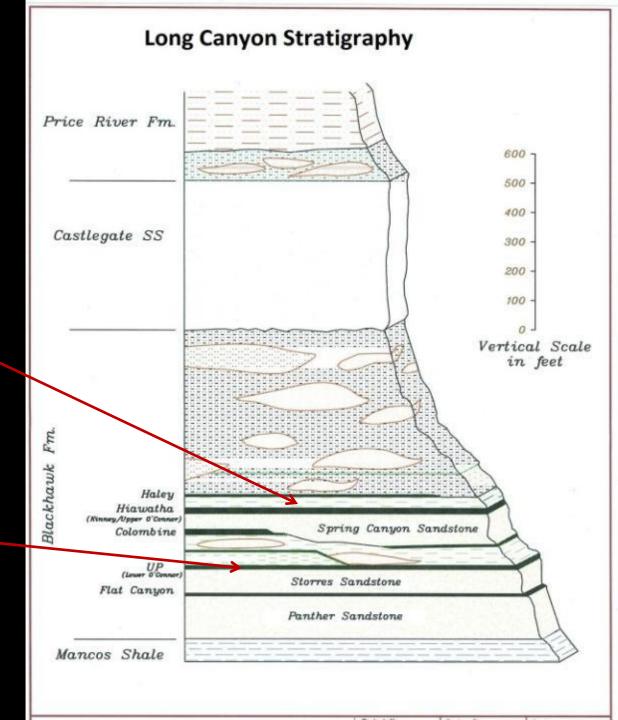
liabase dikes & sills		19.61.1.1		
mark and w half	1-5 ft wide	F73		
en River Fm	100÷	====		
ton Formation	300-1500			
staff Limestone	200-1500	treshwater is		
North Horn Formation 500-2500 prone to slump				
Price River Formation	600-1000			
tlegate Sandstone	150-500	1300		
Schlawk Formation	700-1000	coal Hawatha coal beds		
Point Sandstone	100-1000			
Masuk Shale Member	300-1300	Scaplains happocrepic		
Emery Ss Mbr	800-50	Clescophiles		
Blue Gate Shale Member	1600-2400	Beable, Planetings		
Ferron Ss Member	750-150	coal Philips Petroleur		
Tununk Sh Mbr	400-650	Huntington 15-178-8E		
	Tununk Sh Mbr			



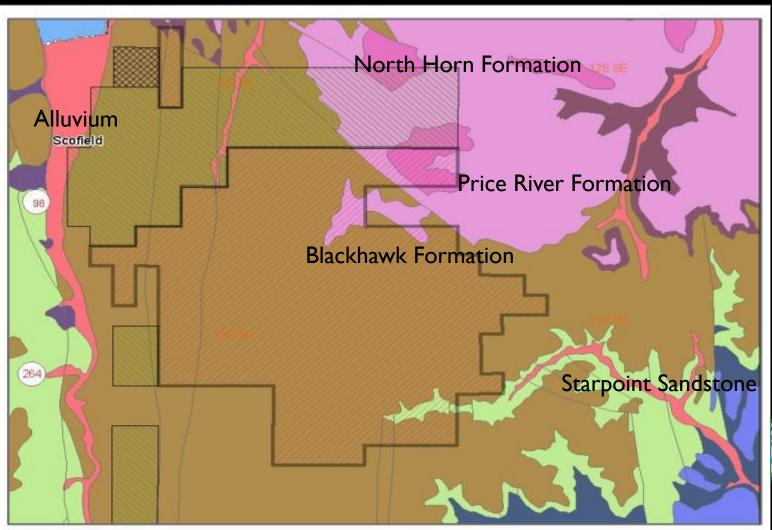
Coal Seams

• Hiawatha

UP

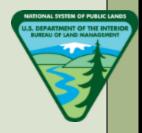


Surface Geology

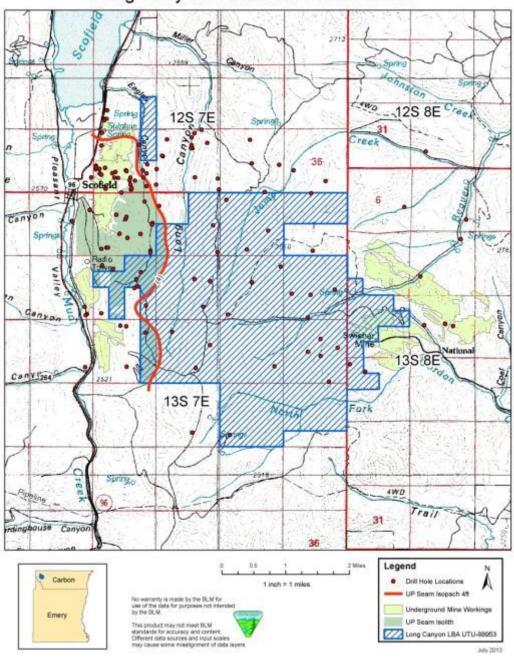




Coal Quantity & Quality



Long Canyon LBA Union Pacific Seam



UBLIC LANDS

Long Canyon LBA Hiawatha Seam 12S 8E Cee 125 7E Springs 13S 8E 13S 7E Fork Canyon 2 Miles Legend Carbon 1 inch = 1 miles Drill Hole Locations

No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

may cause some misalignment of data layers.

This product may not meet BLM standards for accuracy and content Different data sources and input scales

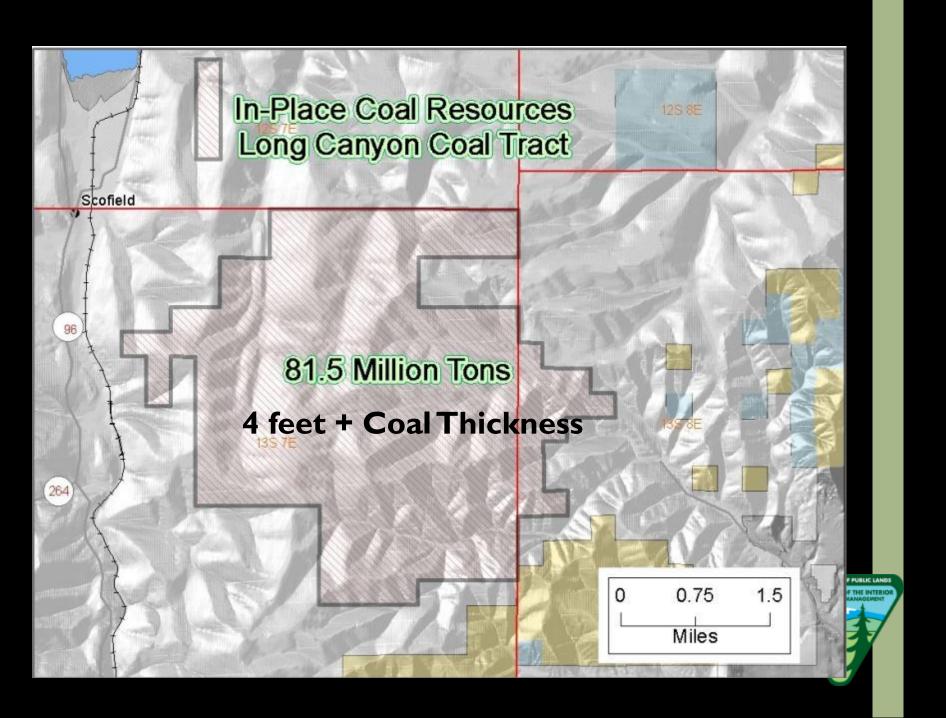
Emery

TEM OF PUBLIC LANDS

Underground Mine Workings Hiswatha Seam Isolith

July 2013

Long Canyon LBA UTU-88953



Bed Nam	ed Name Average Thickness (Feet)		Reserve Base (Tons)			Reserves (50% of Reserve Base)				
UP coal seam		6.0		5,000,000			2,500,000			
Hiawath	Hiawatha 10.5		76,500,000			38,250,000				
Total		8.2	! (not a weighted	d ave.)			40,750,00			
Coal Seam	Percent Moisture		Percent Ash		Volatile tter	Percent Fixed Carbon	Percent Sulfur		Heating Value Btu/lb	
Hiawatha	9.5		6.1	4(0.8 46		40.8 46 0.6		.6	12,056
UP	9.5		5.9	40	0.4 45.6		0.6		12,200	

Recoverable

Mining and Fair Market Value Long Canyon Coal Tract Jeff McKenzie



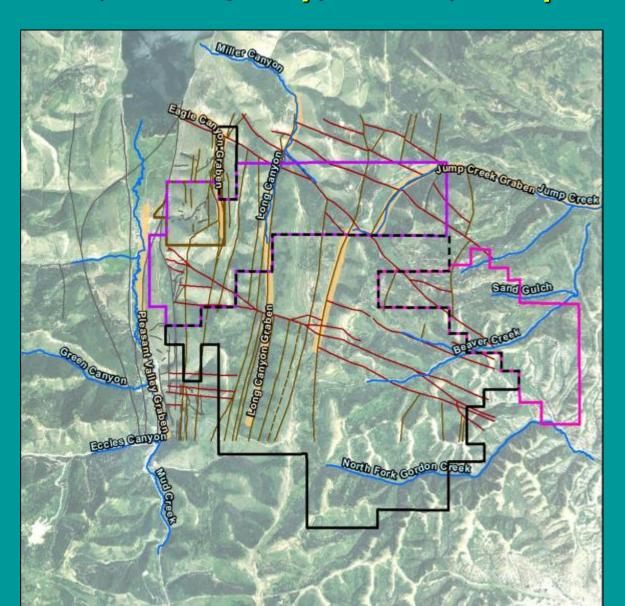
Utah State Office

LONG CANYON MINING

- UP & Hiawatha Coal Seams
 - 8.2 ft average
 - Overburden 1500 ft max, ave about 1000 ft
 - Dip 5-7 % to NW
 - Private surface
 - Some old works are possibly thermally hot
- 40.7 million tons @ 50% recovery
- Multiple access points
- Continuous Miner
- Possibly some Longwall



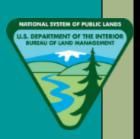
Long Canyon Mining Shallow, Good Quality, Faulted, Multiple Access





Long Canyon Coal Mining at 2 million TPY Rate

- Coal energy annual electrical generation
 - 361,000 homes
 - 936,000 people in Utah
- Employment
 - <u>Direct</u> mine-site employment: about 200 jobs
 - Direct and related employment: about 480 jobs
 - % equiv to 34,000 jobs in Salt Lake County
- Royalty payments:
 - Federal: \$5.6 million (about ½ back to State)
 - State of Utah: \$2.8 million / year (about ½)
 - Plus: Property Tax, Rentals, Abandoned Mine Land Fund, "Black Lung" Excise Tax, etc



Long Canyon Coal Tract Fair Market Value (FMV)

BLM seeking information

Held CONFIDENTIAL (if requested)

- Value of any surface estate affected
- Information on Private coal sales
- Risk Factors
- Capital and Operating Costs Projection(s)
- Discount rate, depreciation, depletion
- Mining and Marketing Factors Domestic and International



Long Canyon Coal Tract Maximum Economic Recovery (MER)

- BLM seeking comments on MER
- "Based on Standard Industry Operating Practices, all profitable portions of a leased Federal coal deposit must be mined" 43 CFR 3480.0-5(a)(21)
 - proven technology (equipment and mining method)
 - coal quality, quantity and marketability
 - safety
 - exploration, processing, operating and transportation costs
 - applicable laws and regulations
 - ensure conservation of coal and other resourcesprevent wasting of coal



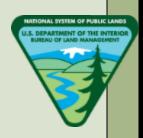
Environmental Assessment Long Canyon Coal Tract

Chris Conrad



Alternatives Discussion

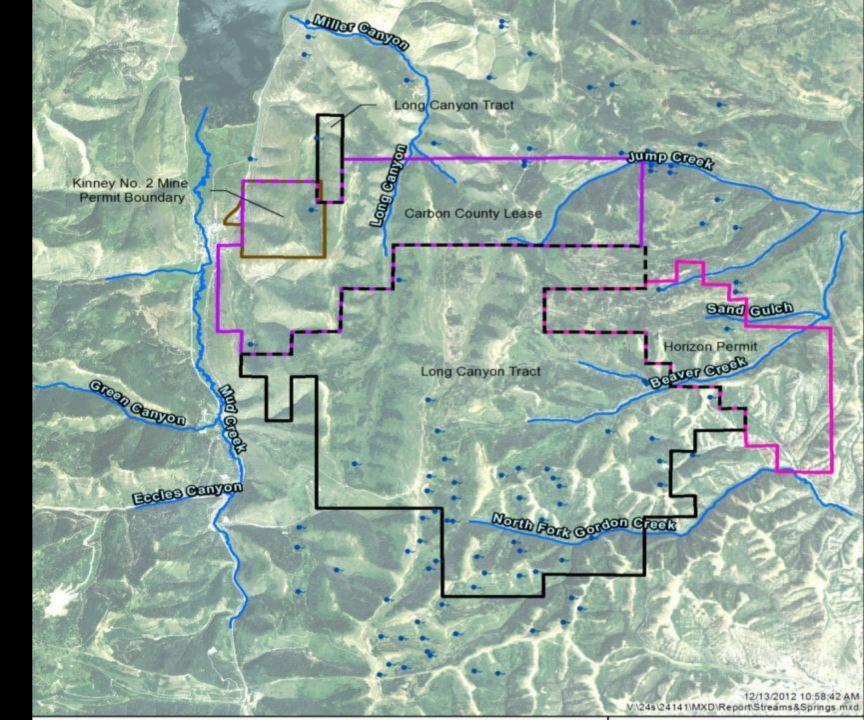
- Purpose and Need
- Scoping
- Tribes
- Landowners
- Other Federal and State Agencies



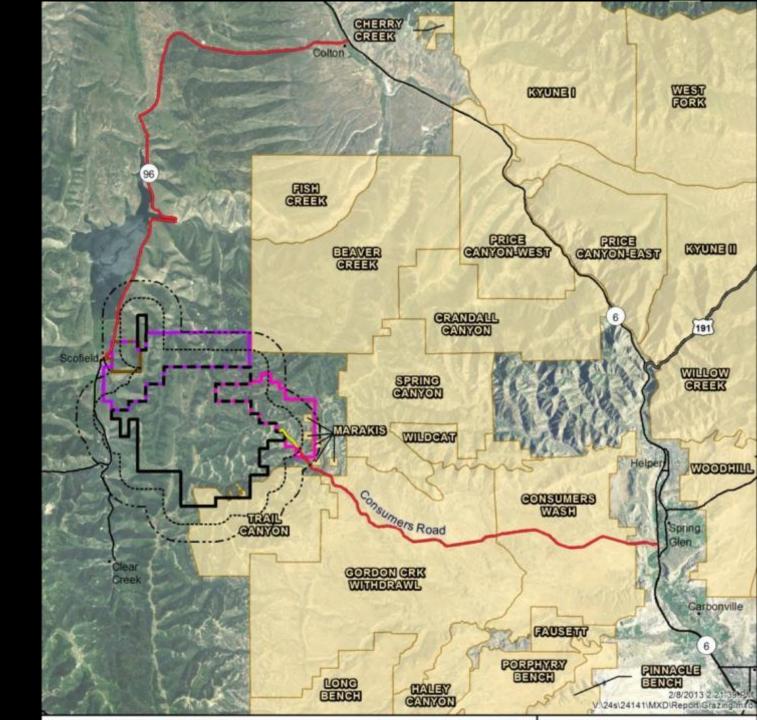
3 Alternatives

- A) No Action
- B) Protective Extraction
- C) Full Extraction





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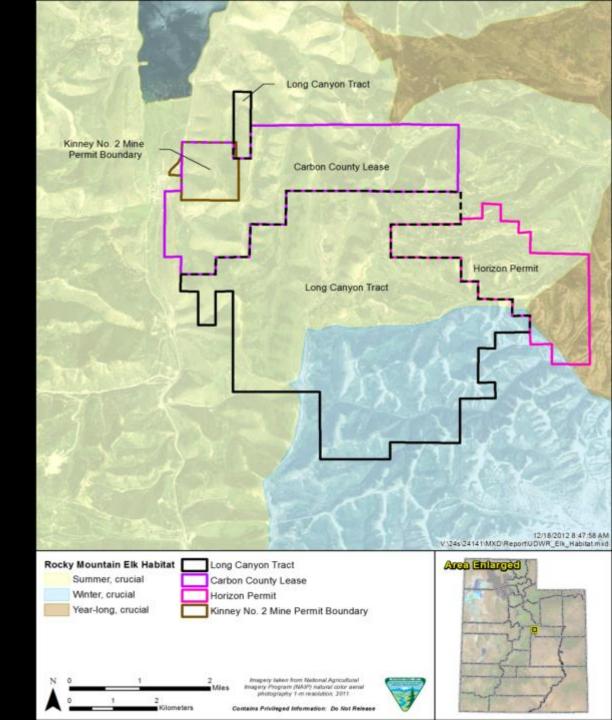
Air Quality: Fugitive Dust, CO2

BLM Sensitive Animal Species Fish and Wildlife

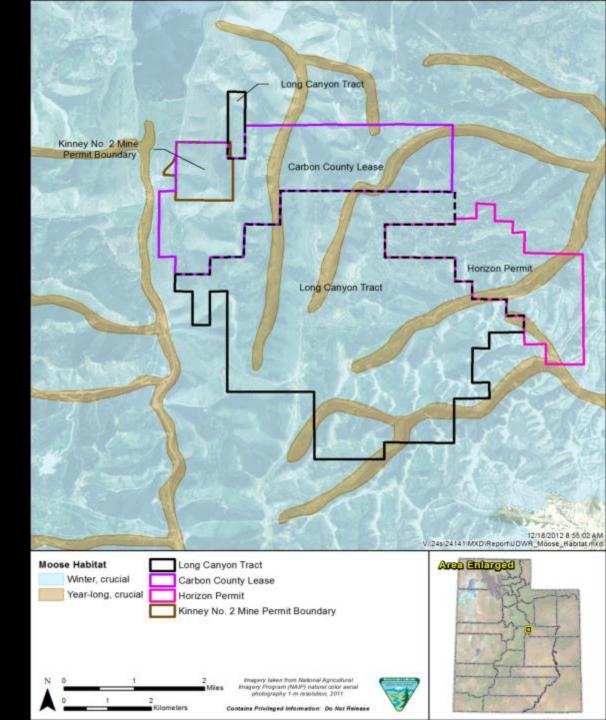
Cultural



E L K



M o o s e



Geology Mineral Resources Energy Production

Livestock Grazing





Trail Canyon Allotment: Southeast of Long Canyon LBA 10% of 420 AMUs 42 AMUs NO EFFECT 50% of 420 in Buffer Zone 210 AMUs No E





6 Bull ELK 29 Cow Elk

35 Permits Total
No Change





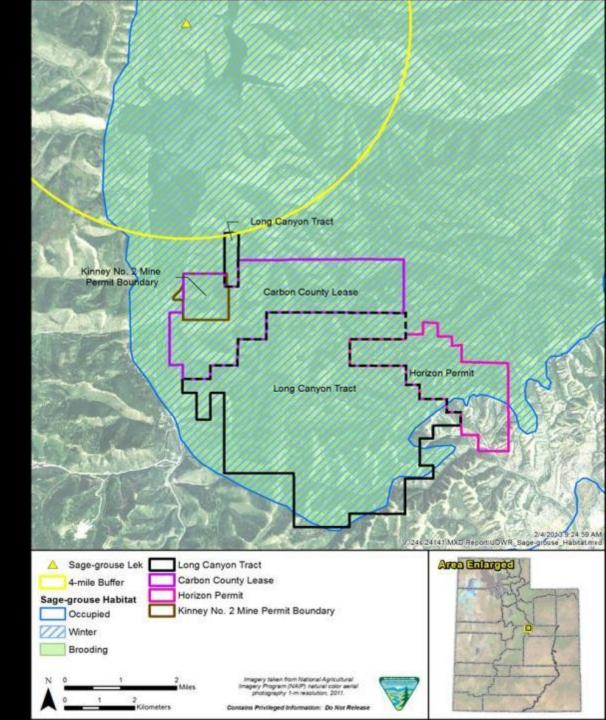
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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL B. STYLER

Executive Director

Division of Wildlife Resources

GREGORY SHEEIIAN

Divinion Director

May 14, 2013

Patricia Clabaugh Field Office Manager Bureau of Land Management 125 South 600 West Price, UT 84501

Dear Ms. Clabaugh:

The Utah Division of Wildlife Resources (DWR) has reviewed the Kinney 2013 Federal Coal Exploration License Application and Long Canyon Tract Federal Coal Lease-by-Application environmental assessments. The license and exploration proposals are within areas identified as Sagegrouse Management Areas by the State of Utah. However, as identified in the state's Conservation Plan for Greater Sage-grouse in Utah (2013)

The GIS maps which accompany this Plan contain representations of these boundaries for informational purposes ... and are not intended to be the final authority for habitat delineation issues ... If in the review of any proposal or other action, differences between the maps and the on-the-ground situation become apparent, the on-the-ground boundaries shall control.

Based upon a more detailed site specific review, it has been determined by the DWR that the areas proposed for license and exploration, though within an SGMA, should be classified as non-habitat for greater sage-grouse. The topography is too steep and the north facing slopes are dominated by trees. When an area is classified as non-habitat, the above mentioned plan states "no specific management provisions are proposed for non-habitat areas within sage-grouse management areas except to ... note that, birds may fly over the non-habitat as they connect to other populations or seasonal habitat areas."

Thank you for consulting with the DWR to determine the precise delineation of sage-grouse habitat for this development proposal. Please employ the above determination in your analysis. If you have any questions, please call Makeda Hanson (435-630-0805) in our Price office.

Sincerely,

Bill Bates

Regional Supervisor

Bill Botos

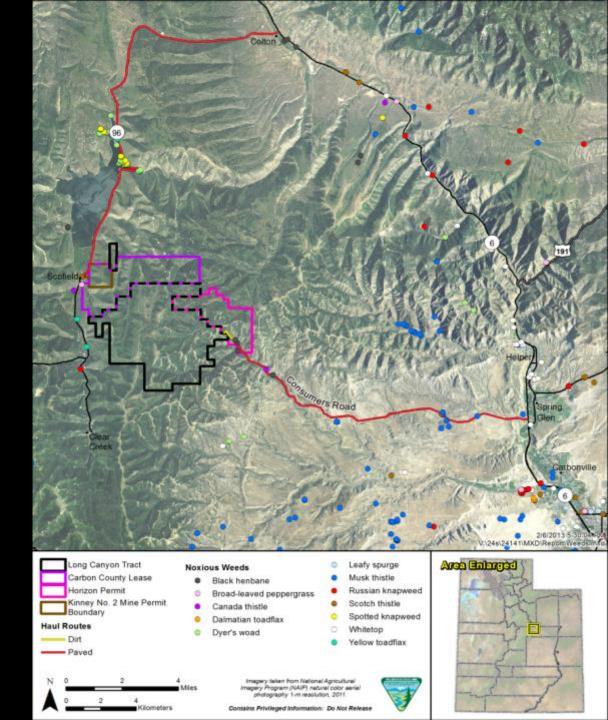
JWB/mih cc:





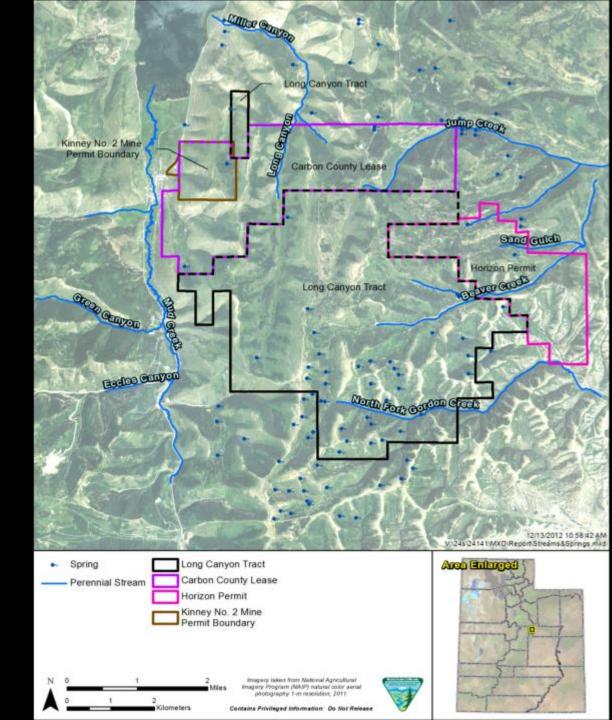


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W A T E R



X A T E R

